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Attorney Docket No.: 4318.224-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bisgaard-Frantzen et al.

Confirmation No: 7527

Serial No.: 09/902,188

Group Art Unit: 1751

Filed: July 10, 2001

Examiner: To be assigned

For: Amylase Variants

AMENDMENT FEE TRANSMITTAL

Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith is a Preliminary Amendment for the above-identified application.

The fee for claims has been calculated as shown below:

Total: $18 - 20 = 0 \times 18 = \0 Independent: $4 - 3 = 1 \times 84 = \$84$

Total additional fee for claims required is \$84.

Please charge the claim fees, estimated to be \$84, or any fee due and owing to Novozymes North America, Inc., Deposit Account No. 50-1701. A duplicate of this sheet is enclosed.

Respectfully submitted,

Date: December 13, 2001

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Message:

Preliminary Amendment for 09/902,188

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For: Amylase Variants

CERTIFICATE OF FACSIMILE TRANSMISSION

Commissioner for Patents
Washington, DC 20231

Sir:


I hereby certify that the attached correspondence comprising:

1. Amendment Fee Transmittal (in duplicate)
2. Preliminary Amendment

was sent to the United States Patent and Trademark Office by telefax to Group Art Unit 1751, fax number (703) 872-9310.

Respectfully submitted,

Date: December 13, 2001


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Examiner: To be assigned

For: Amylase Variants

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

Before examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 30-49.

Please add the following new claims:

50. A variant of a parent alpha-amylase enzyme, wherein said parent alpha-amylase has an amino acid sequence which has at least 80% homology to SEQ ID NO:3, and wherein said variant comprises deletions at positions equivalent to positions 179 and 180 in SEQ ID NO:3 (using SEQ ID NO:3 for numbering).

51. The variant of claim 50, wherein said parent alpha-amylase has an amino acid sequence which has at least 85% homology to SEQ ID NO:3.

52. The variant of claim 50, wherein said parent alpha-amylase has an amino acid sequence which has at least 90% homology to SEQ ID NO:3.

53. The variant of claim 50, wherein said parent alpha-amylase has an amino acid sequence which has at least 95% homology to SEQ ID NO:3.

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